

ABSTRACT

An environmental data recorder for recording environmental factors acting on micro-well plates. The environmental data recorder has sensors for sensing environmental factors and it has a microcontroller programmed to receive and process inputs from the sensors. The sensors and microcontroller are housed in a recorder housing unit. The recording housing unit has exterior dimensions that are approximately equal to the exterior dimensions of the micro-well plates enabling the recorder housing unit to be handled by the same robotic device handling the micro-well plates. In a preferred embodiment, the environmental data recorder's sensors are a temperature sensor, a humidity sensor and an accelerometer.